

## REMARKS

Applicants thanks Examiner for their detailed review of the application.

### *Claim Rejections*

The Office Action states:

**Claims 1, 3, 4, 6, 8, 9, 11 and 15, 16, 18-24, 26 and 27 are rejected under 35 U.S.C. 102(e) as being anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Ogihara's et al. US Patent Application Publication 2004/0091419 (hereinafter, Ogihara).**

Claims 12-14 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ogihara in view of US Patent 6,808,867 issued to Doshi et al. (hereinafter, Doshi).

Claim 1 includes, “extracting a first amount of the liquid from the zeolite – sol colloid to form a wet gel – zeolite composite film, wherein a second amount of the liquid remains in the wet-gel zeolite composite film...forming the wet gel – zeolite composite film into an aerogel – zeolite composite film, after forming the conductive material and depositing the ILD.” Note that claim 12 has been incorporated in independent claim 1.

As stated in the Office Action, Ogihara does not teach any temporal relationship to calcination or patterning. In addition, Ogihara only describes one heating step to “attempt to remove the solvent.” In contrast, applicant's claim 1 includes extracting a first amount of solvent, performing processing steps—forming a conductive material...depositing and ILD—and then subsequently forming the wet-gel into an aerogel. Furthermore, combination of Doshi does not disclose performing further processing on a wet-gel-zeolite film and then subsequently forming that into an aerogel, as in applicant's claim 1. Therefore, applicant respectfully submits that claim 1, as

well as its dependent claims, are now in condition for allowance.

If there are any additional charges, please charge Deposit Account No. 50-0221. If a telephone interview would in any way expedite the prosecution of the present application, the Examiner is invited to contact David P. McAbee at (503) 712-4988.

Respectfully submitted,  
Intel Corporation

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